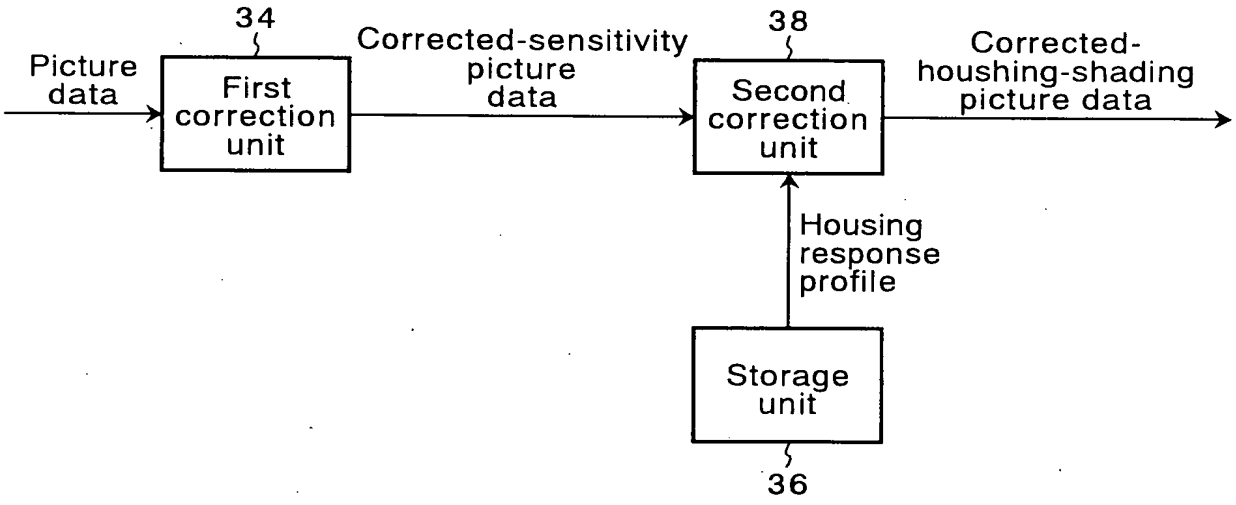
FIG. 1



EP 0 838 941 A2

T06280 2T22+1660

FIG. 2

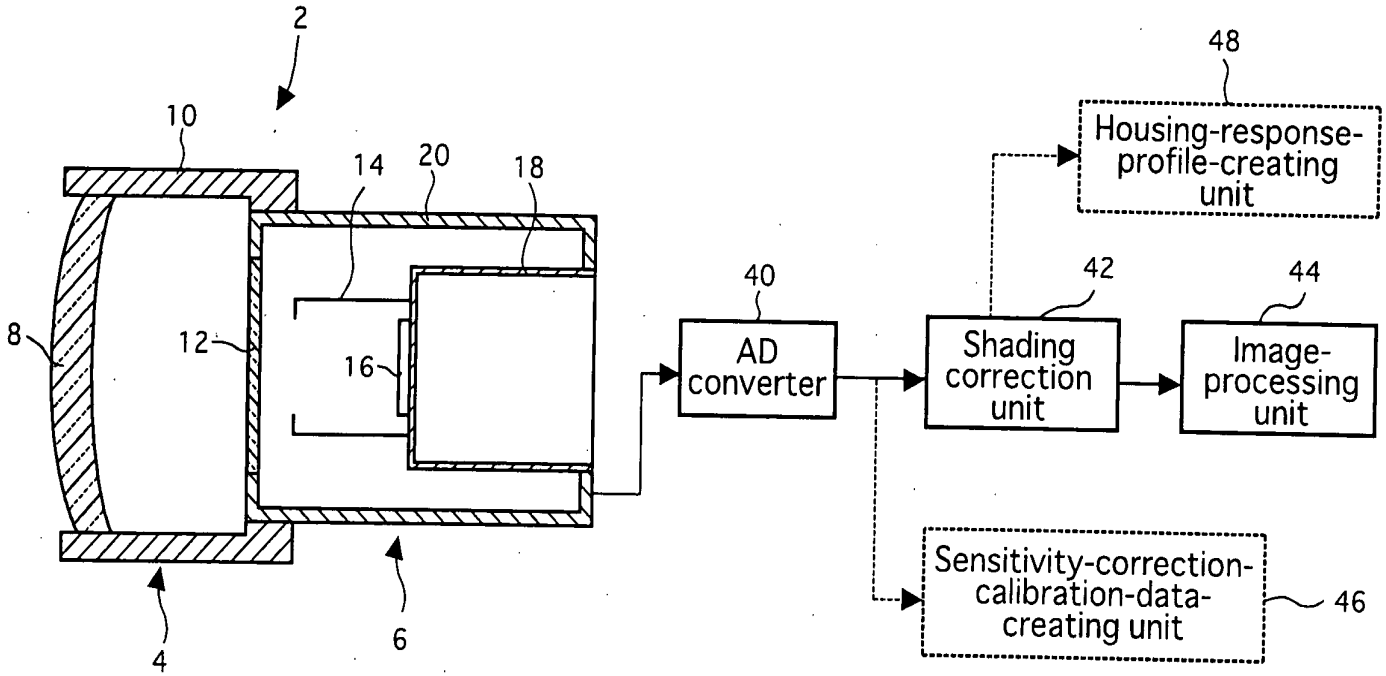
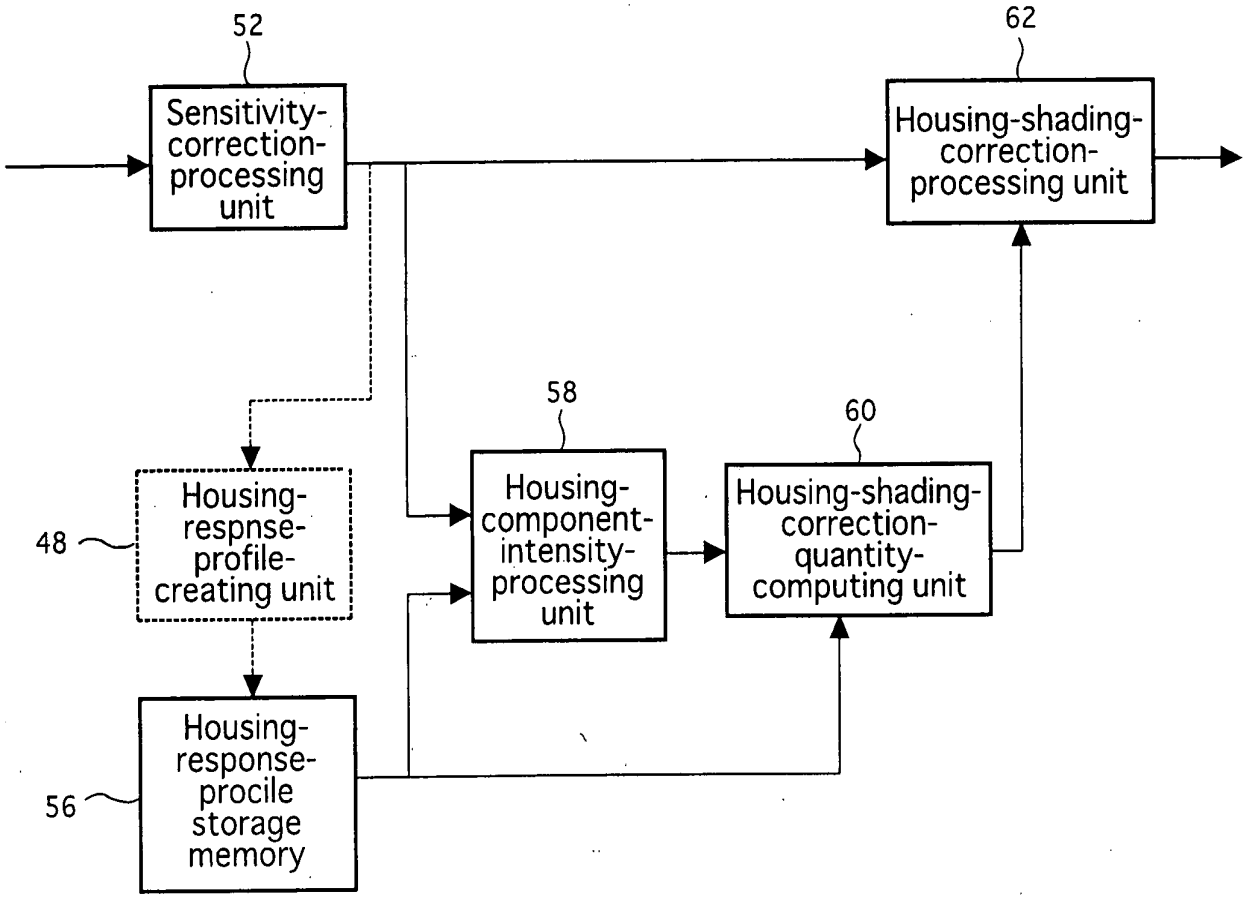
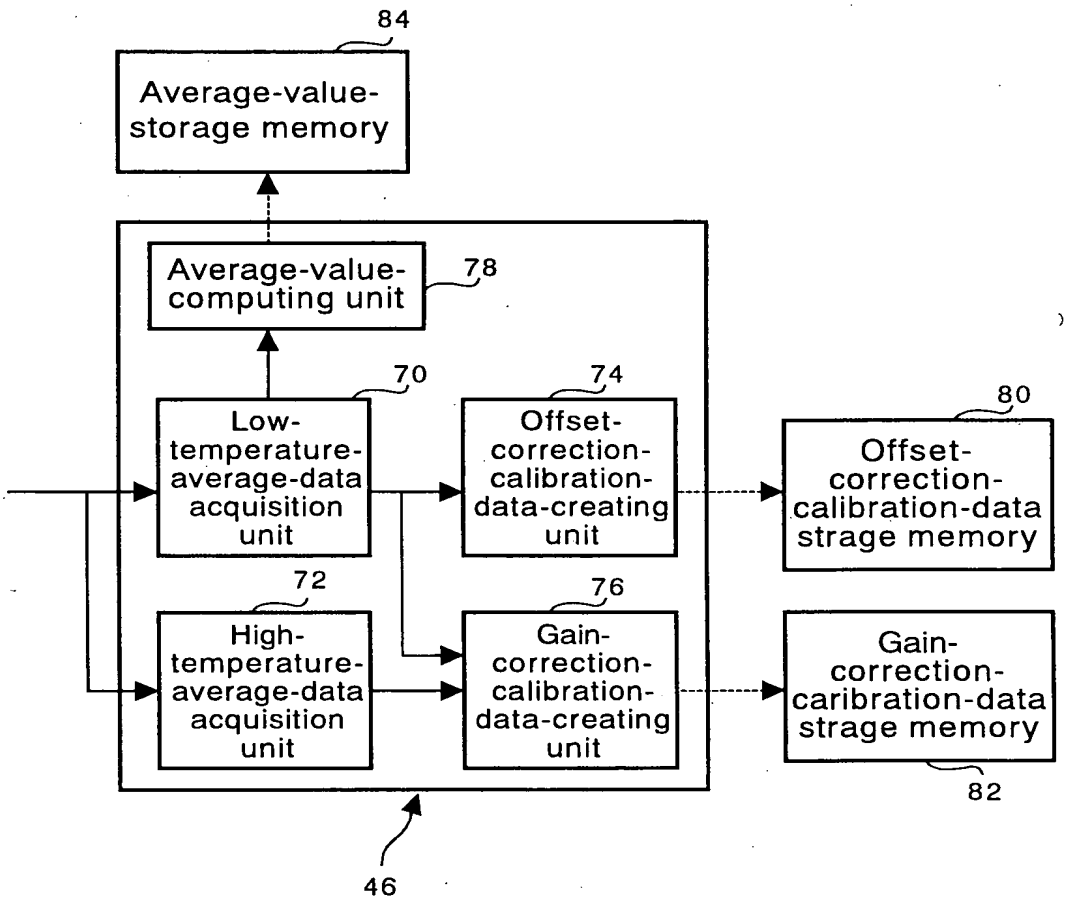


FIG. 3


52
Sensitivity-correction-processing unit
62
Housing-shading-correction-processing unit
58
60
48
Housing-respnse-profile-creating unit
Housing-component-intensity-processing unit
Housing-shading-correction-quantity-computing unit
Housing-response-procile storage memory
56

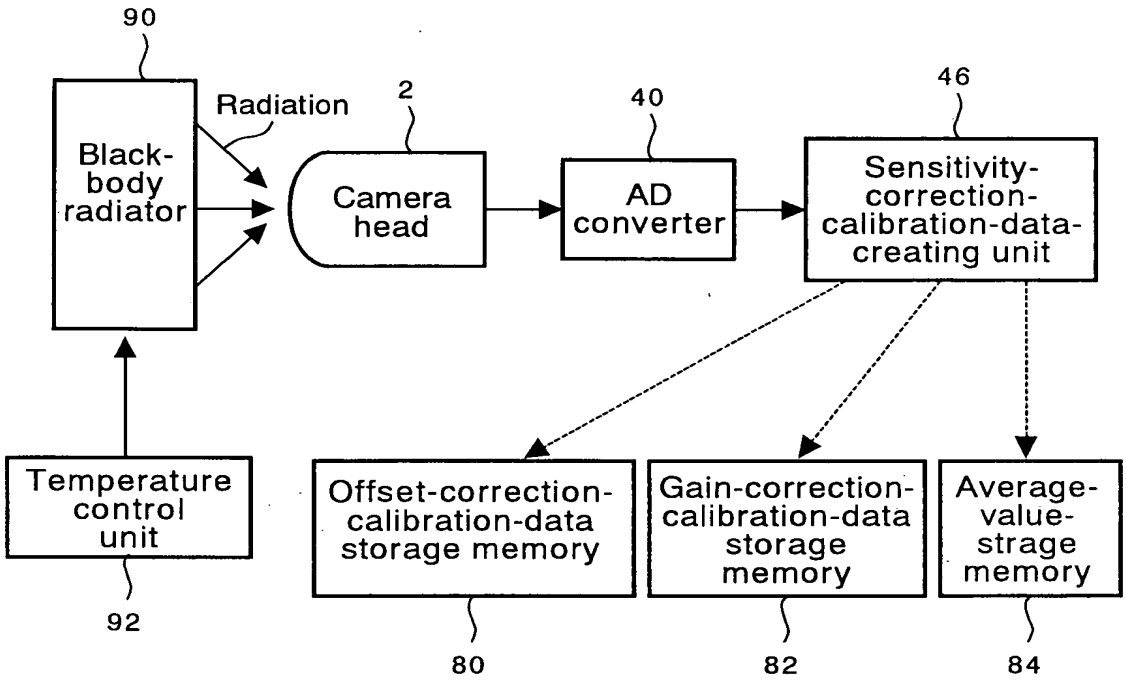
0954212-082601

F I G. 4



EP 0 982 562 A2

FIG. 5



EP 0 838 950 A1

F I G. 6

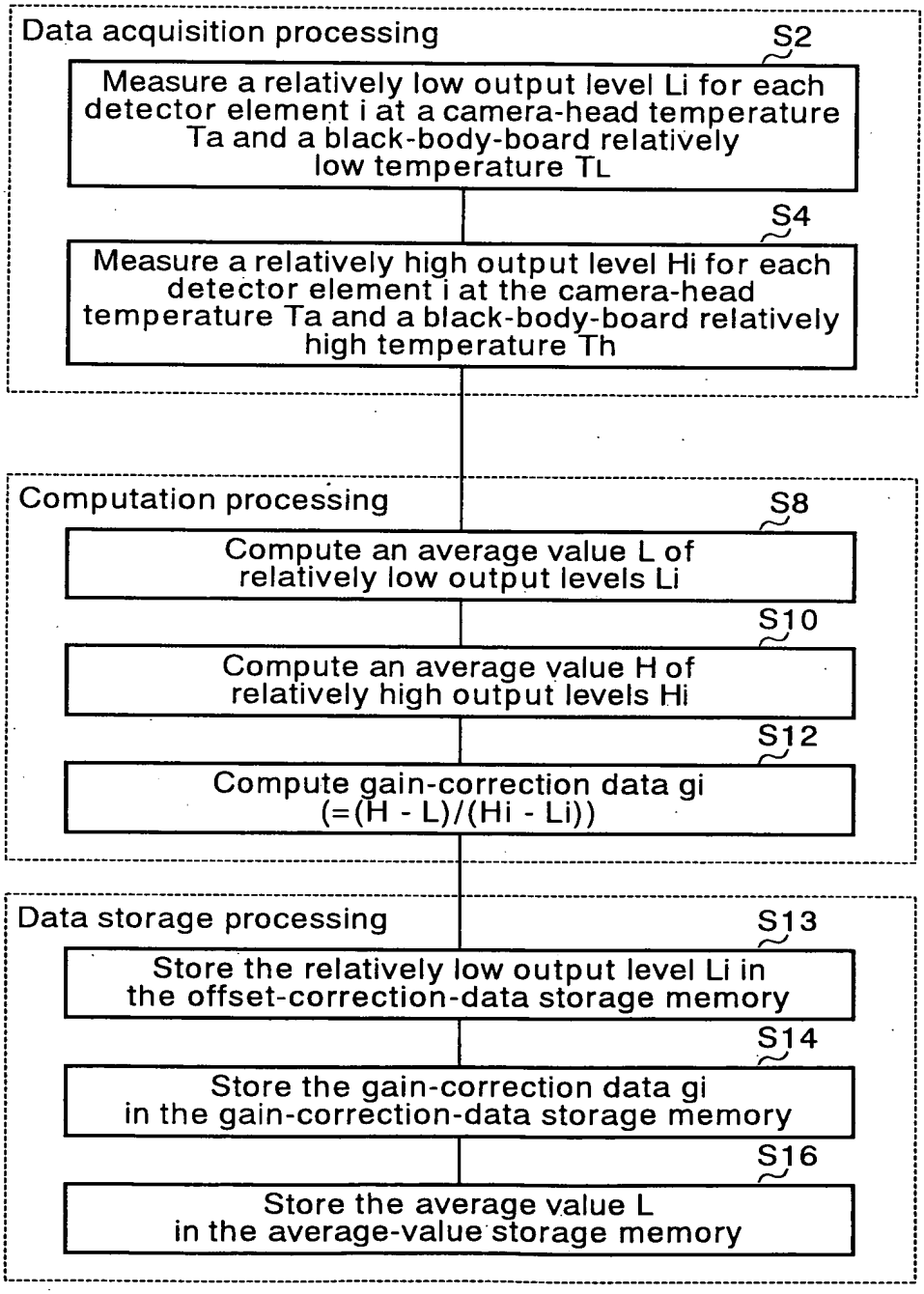
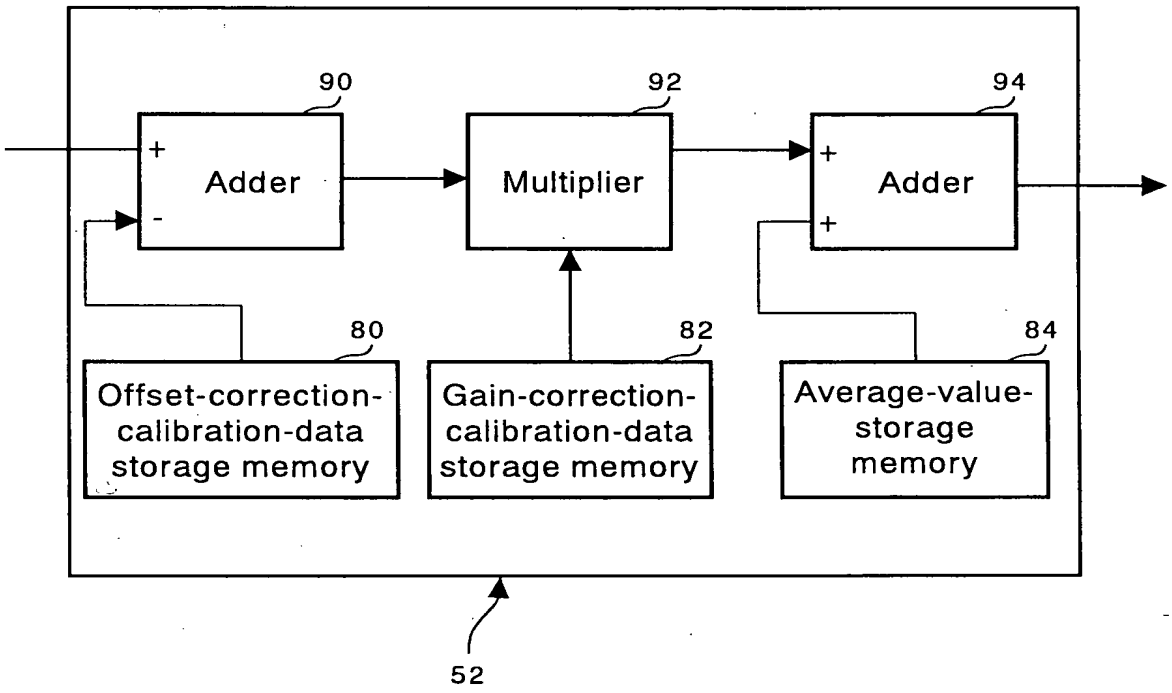
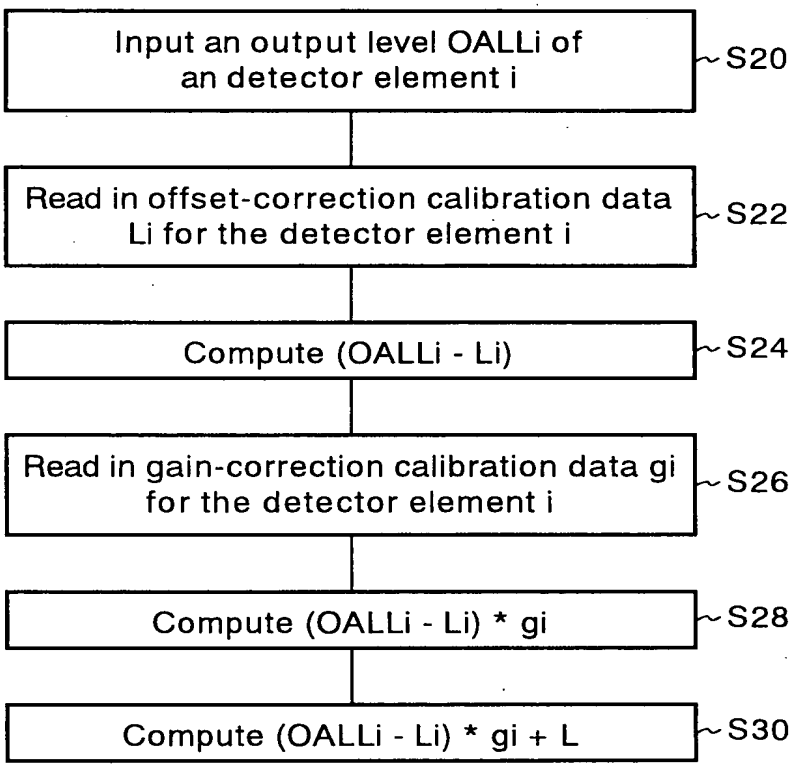


FIG. 7


90
92
94
+
-
Adder
Multiplier
+
+
Adder
80
82
84
Offset-correction-calibration-data storage memory
Gain-correction-calibration-data storage memory
Average-value-storage memory
52

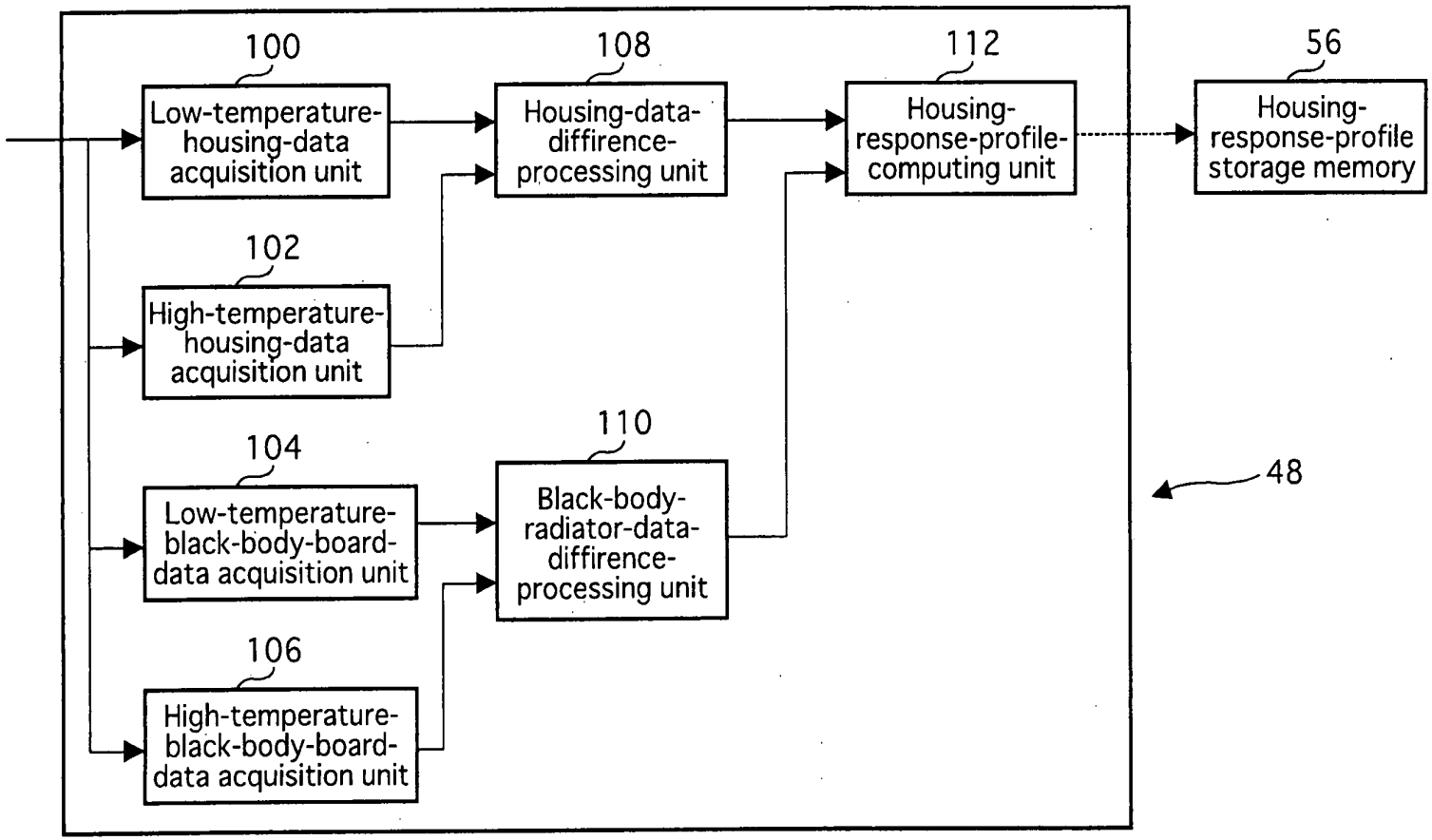
EP0629890A1

F I G. 8



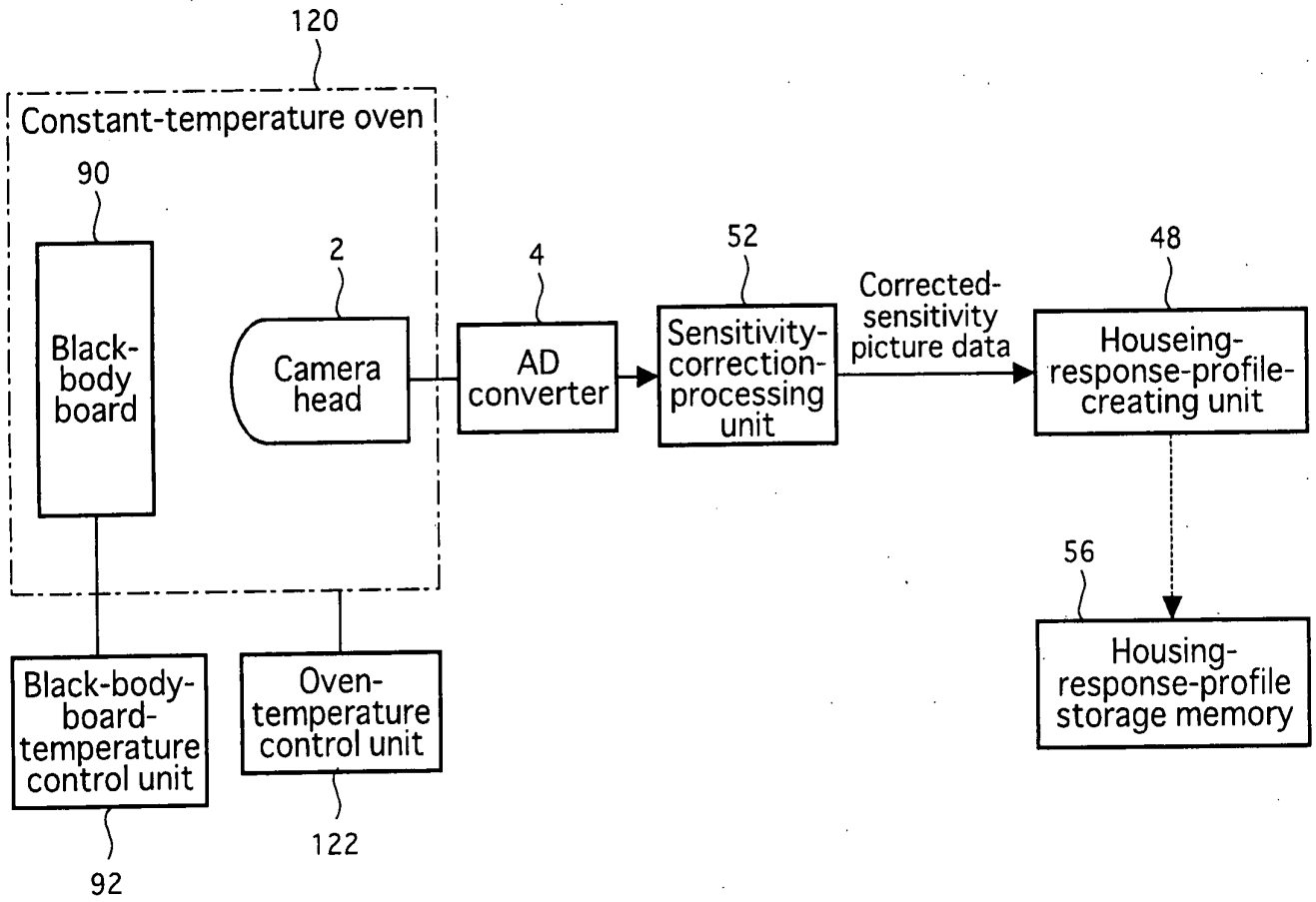
T06280 2T22h660

FIG. 9



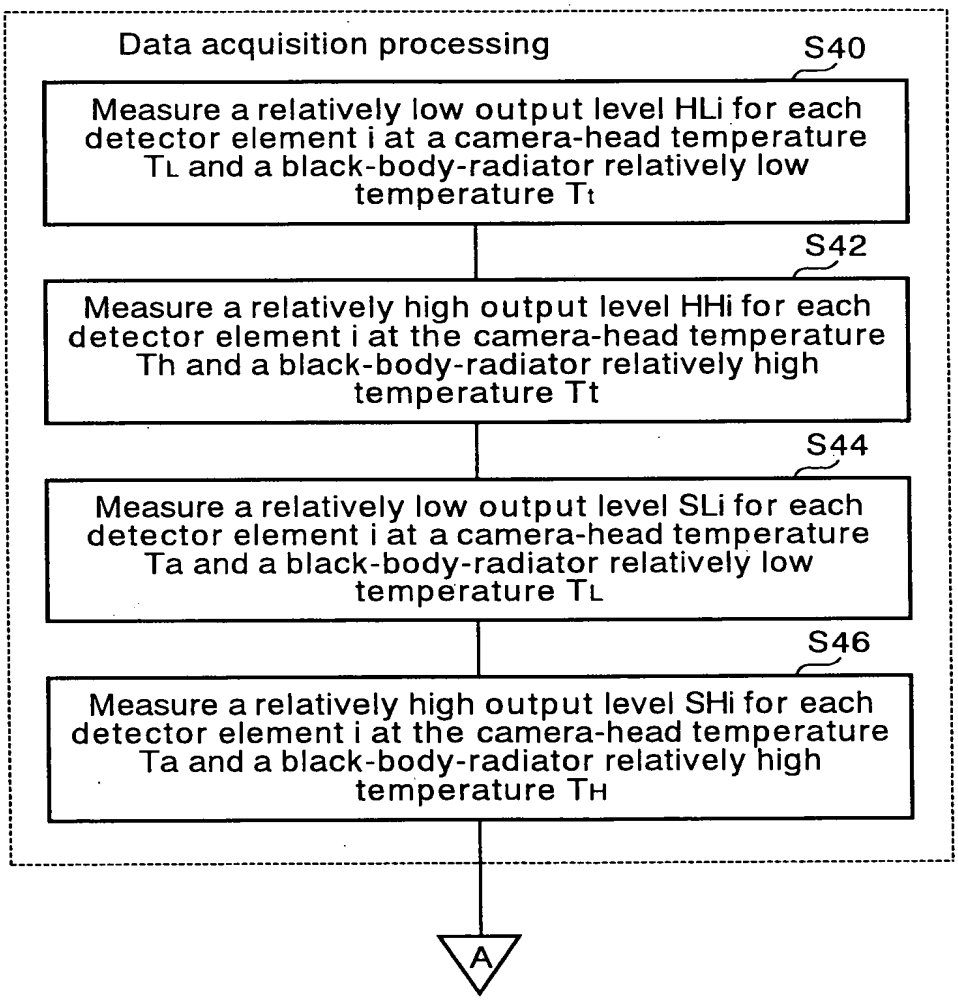
TD6280"2T224660

FIG. 10



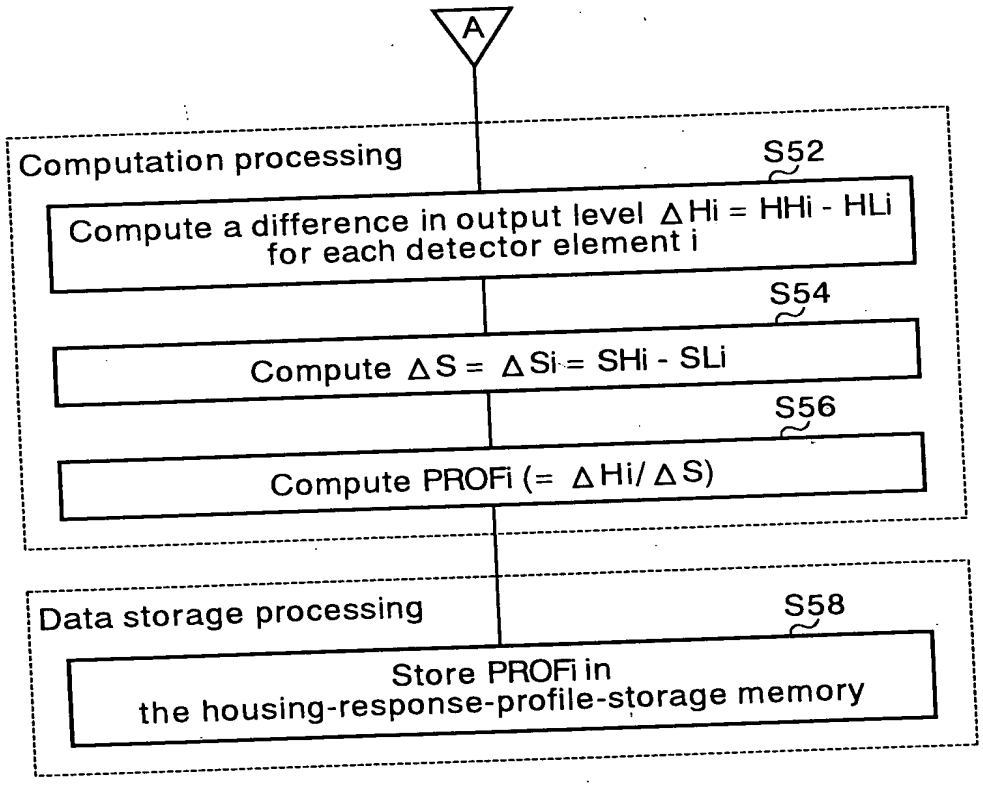
09/942,212 - 08/29/01

FIG. 11



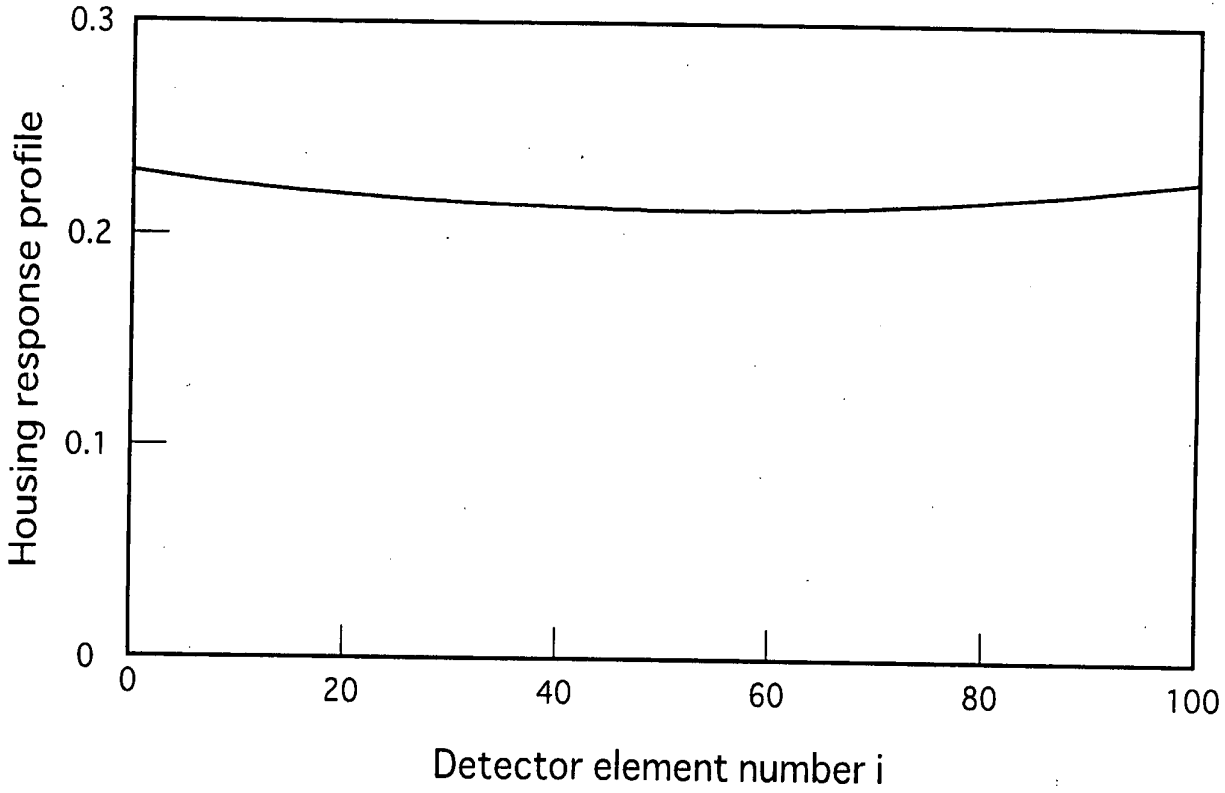
10/2280 - 2122+660 01

FIG. 12



T06280 2T22h60

FIG. 13



09542212-082901

FIG. 14

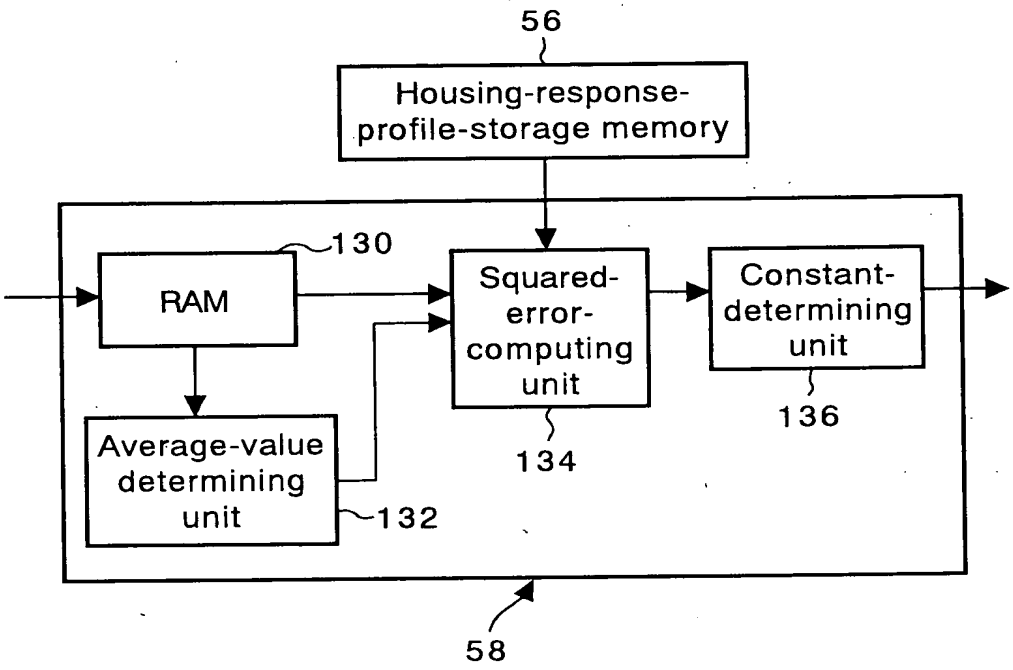
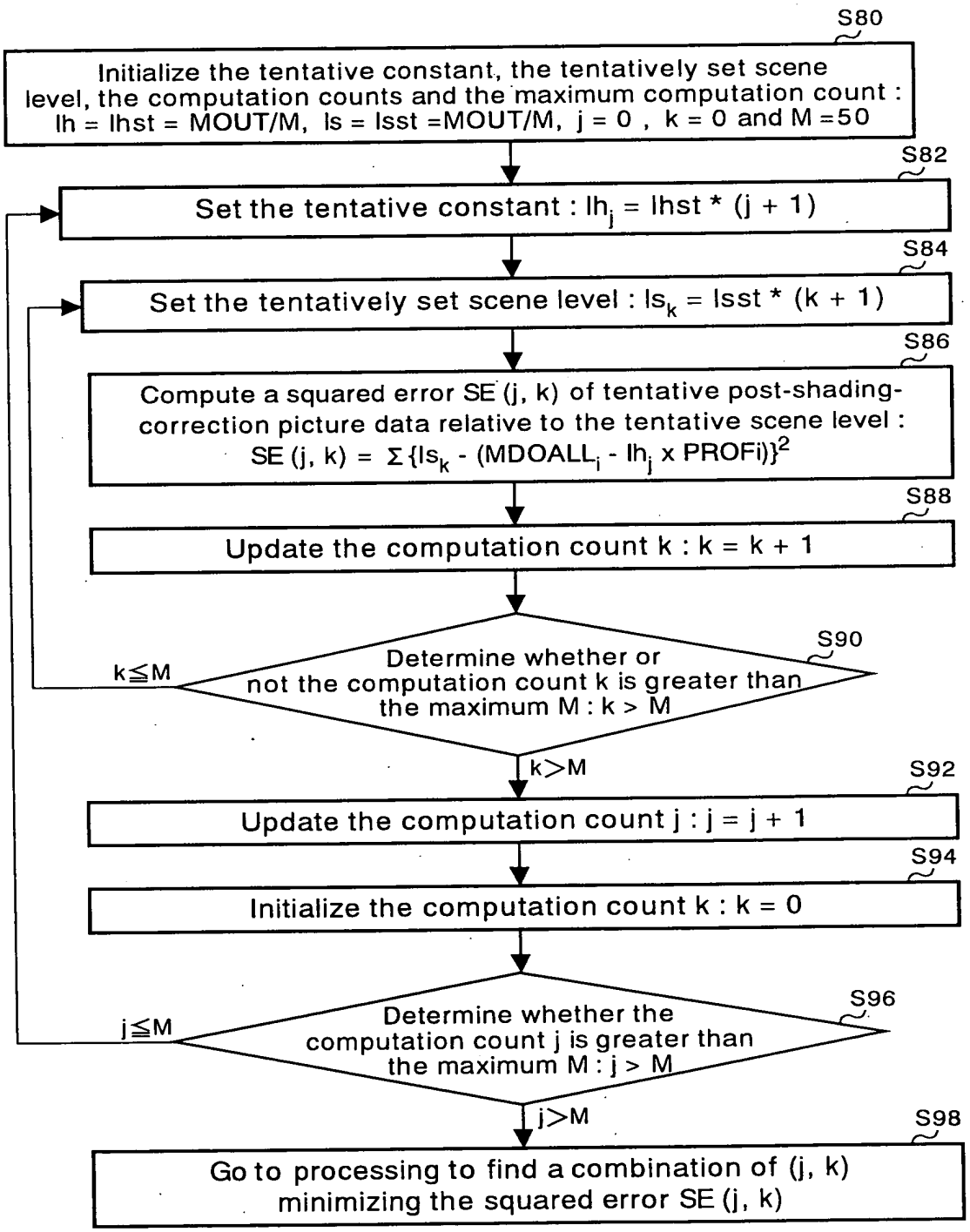
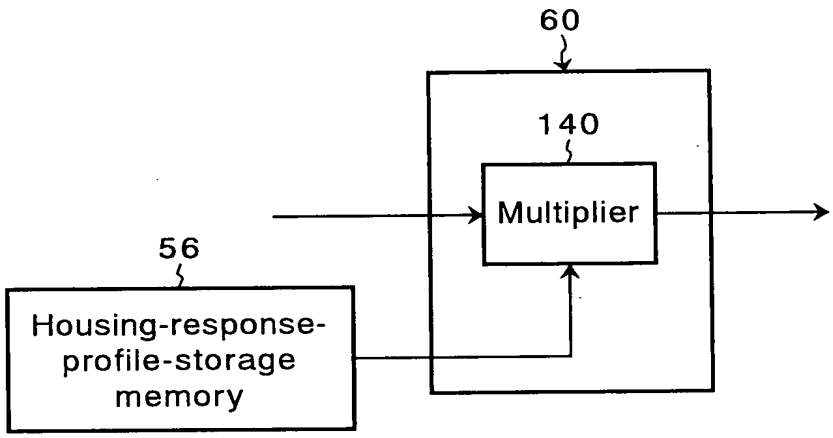


FIG. 15



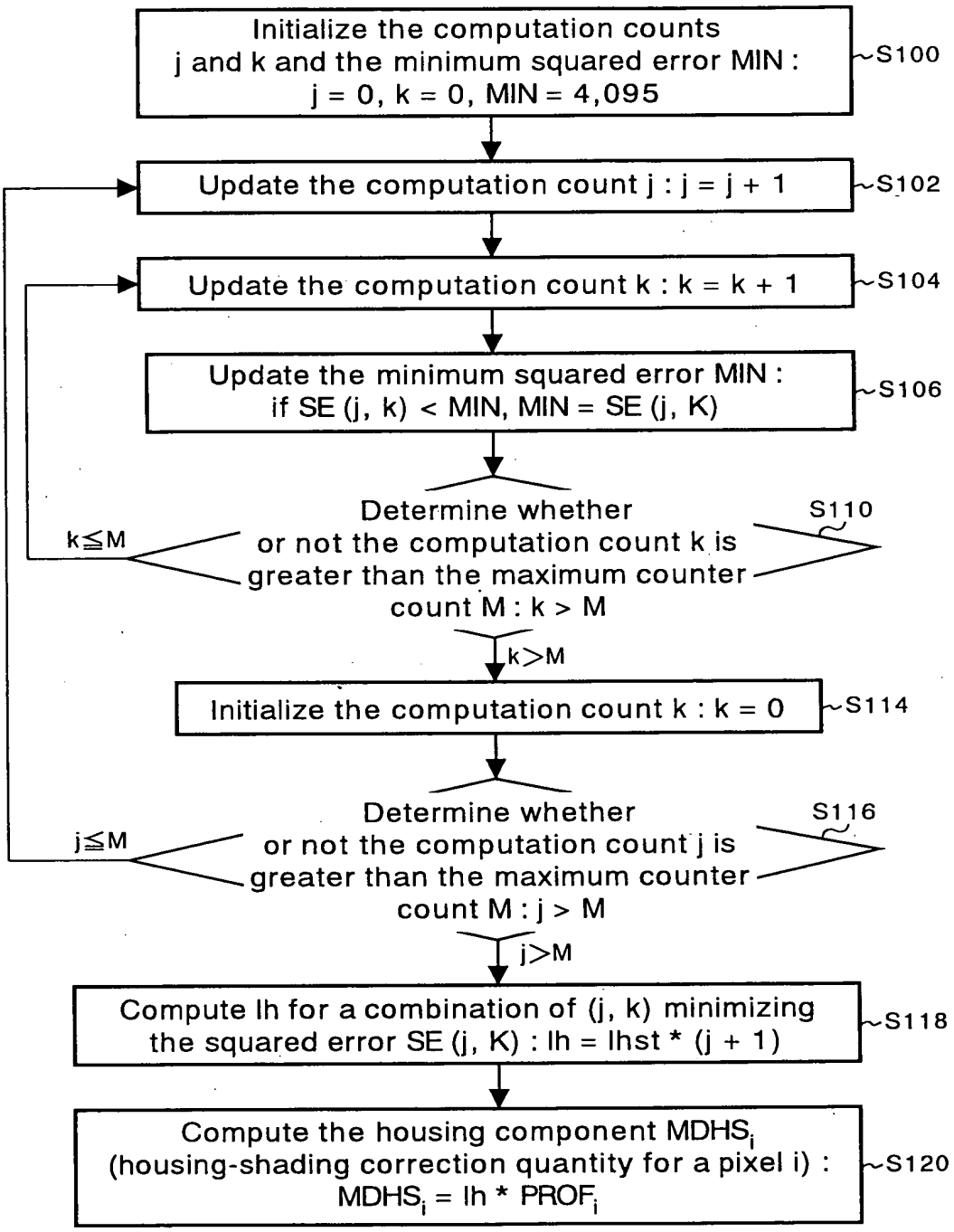
EP 0 852 361 A1

FIG. 16


60
140
Multiplier
56
Housing-response-profile-storage memory

EP 0 940 780 A2 - 08-09-1999

FIG. 17



09422212-082501

FIG. 18

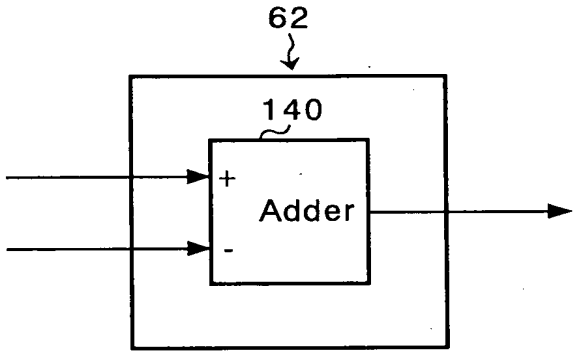
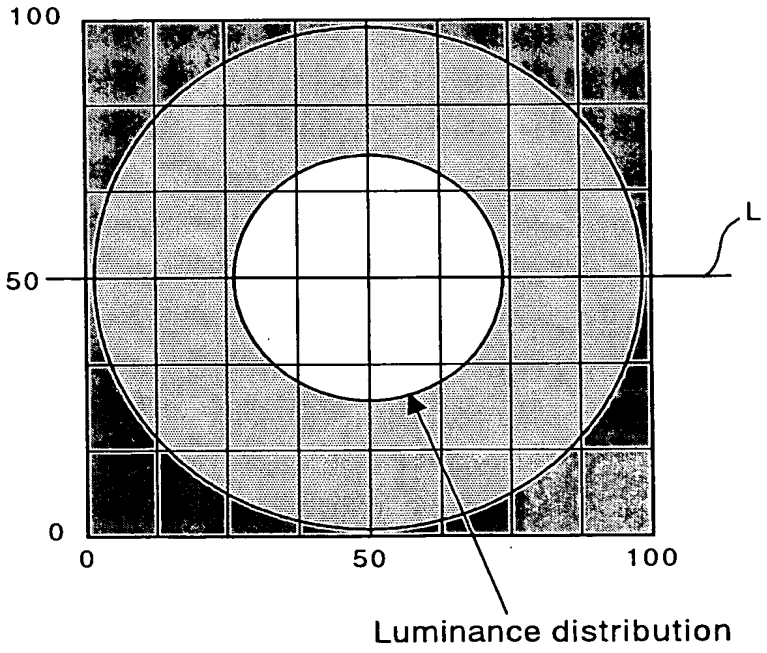
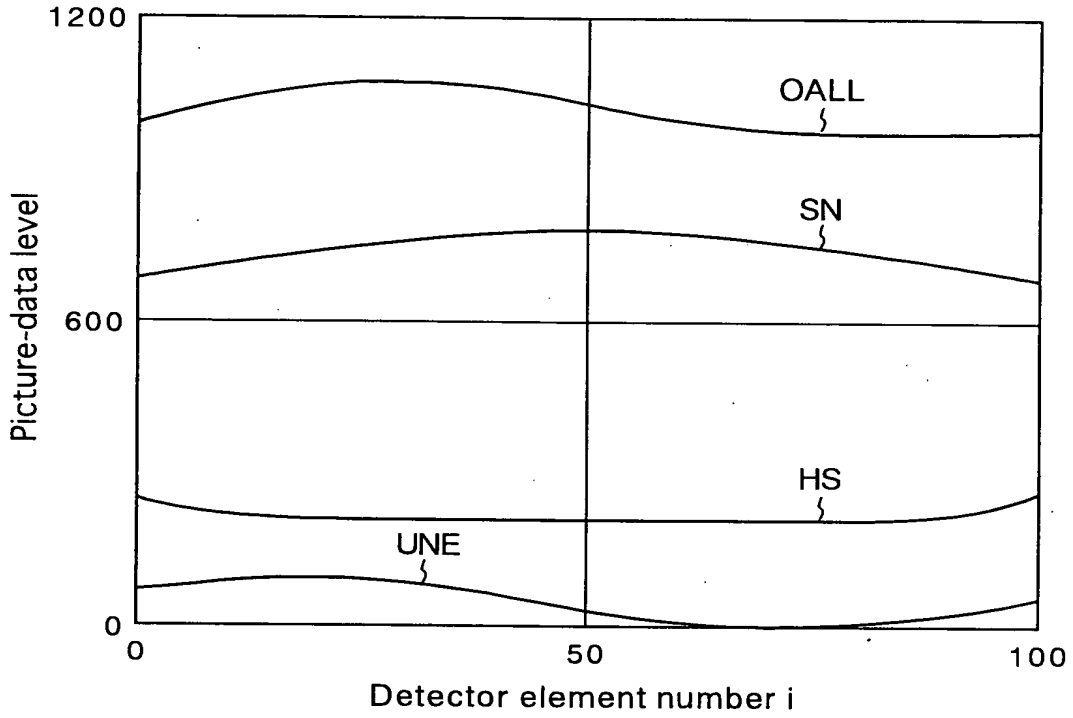


FIG. 19

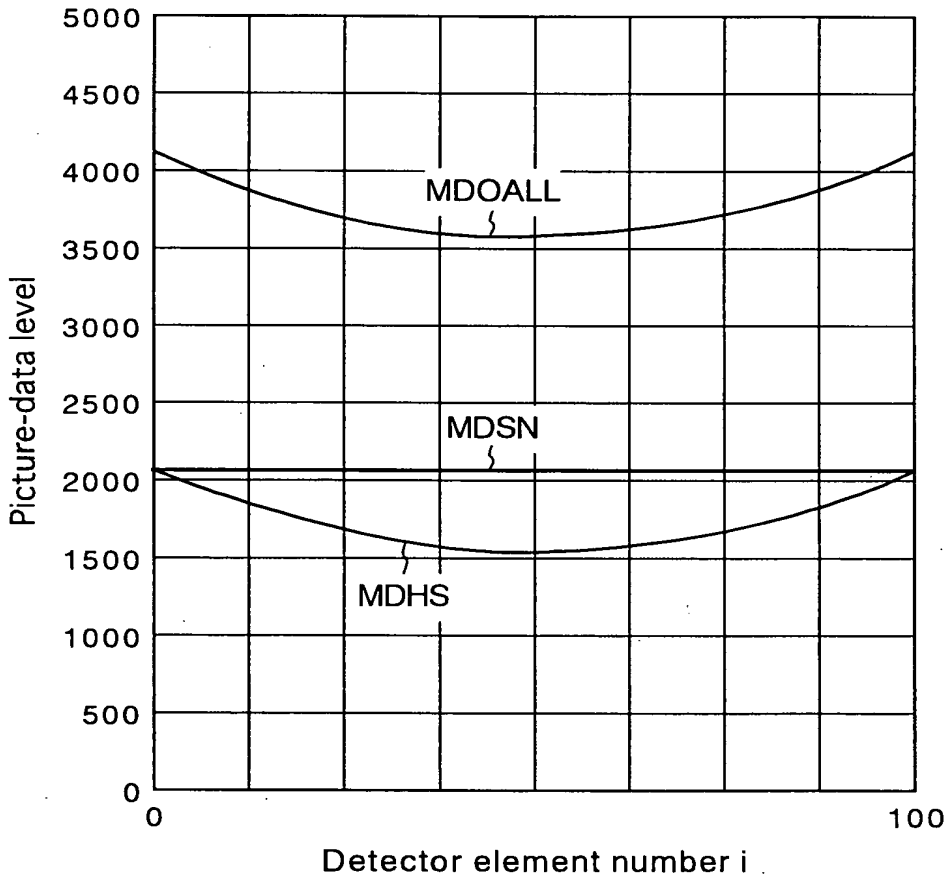


F I G. 2 0


1200
600
0
0
50
100
Picture-data level
Detector element number i
OALL
SN
HS
UNE

EP 0 628 280 A1 24 06 94 Bulletin 94/25

FIG. 21



F I G. 2 2

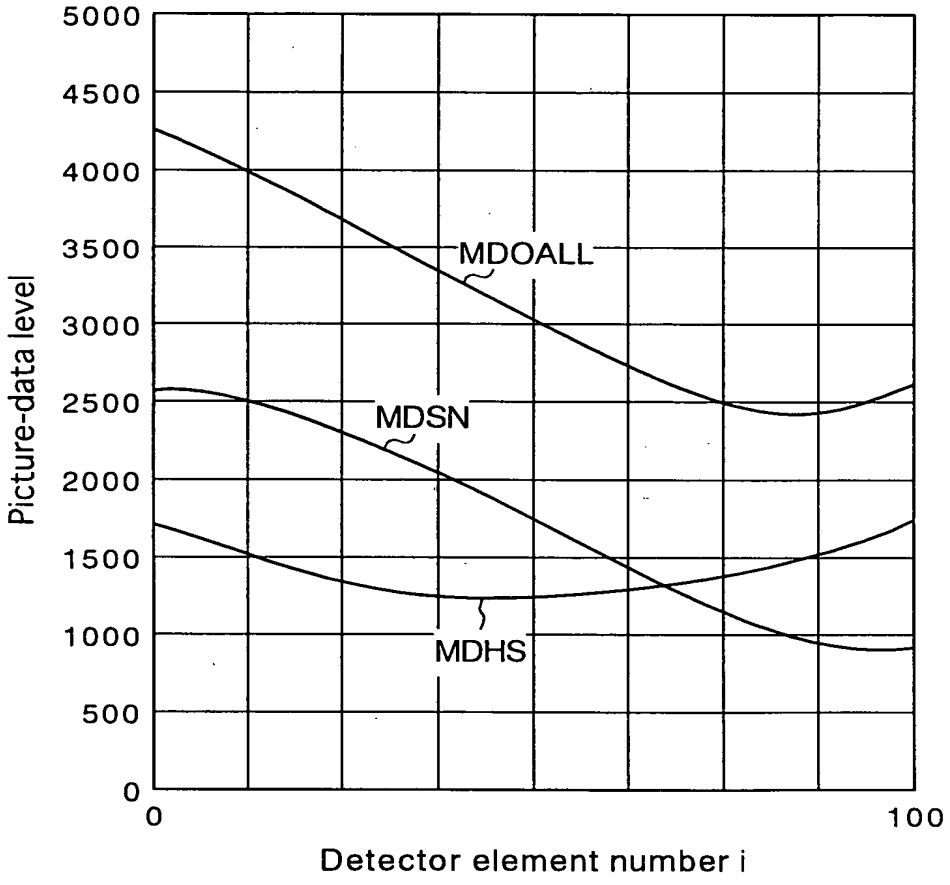
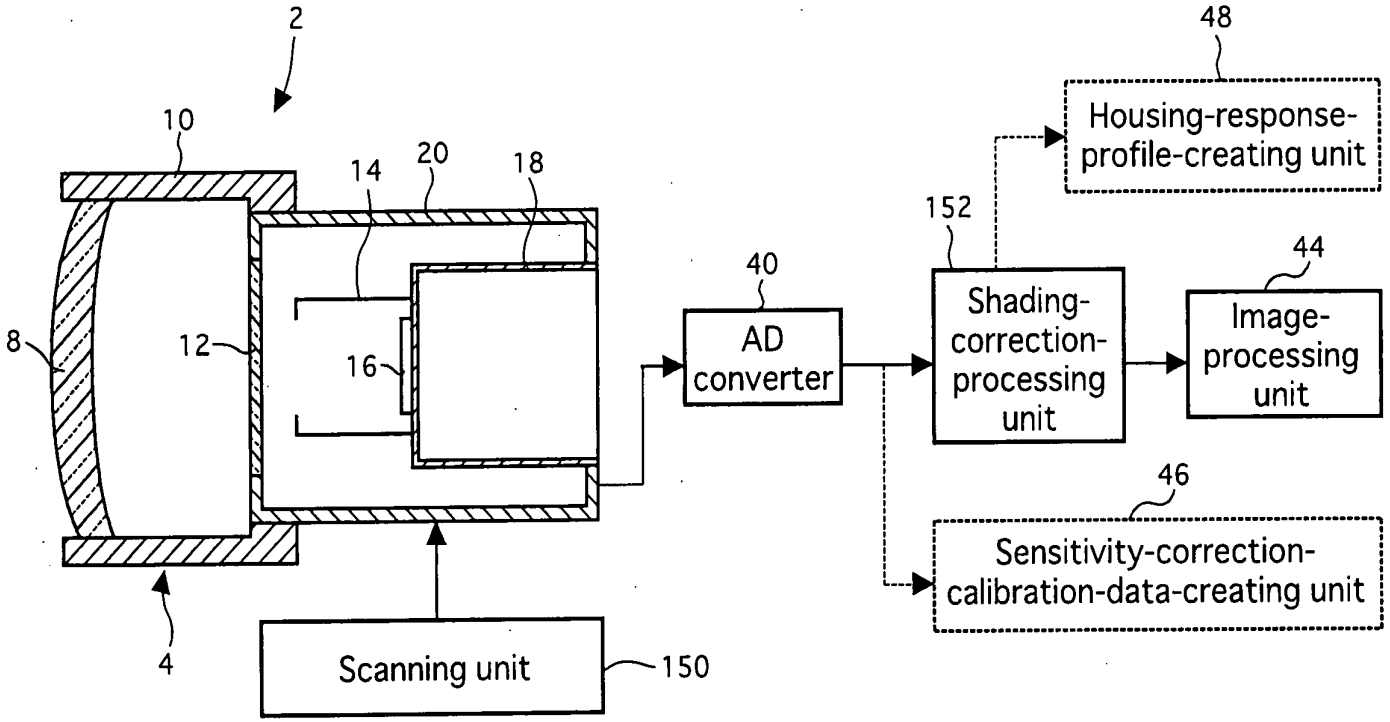

5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
100
Picture-data level
Detector element number i
MDOALL
MDSN
MDHS

FIG. 23


2
10
14
20
18
8
12
16
4
Scanning unit
150
40
AD converter
152
Shading-correction-processing unit
48
Housing-response-profile-creating unit
44
Image-processing unit
46
Sensitivity-correction-calibration-data-creating unit

TO6280"2124660

FIG. 24A

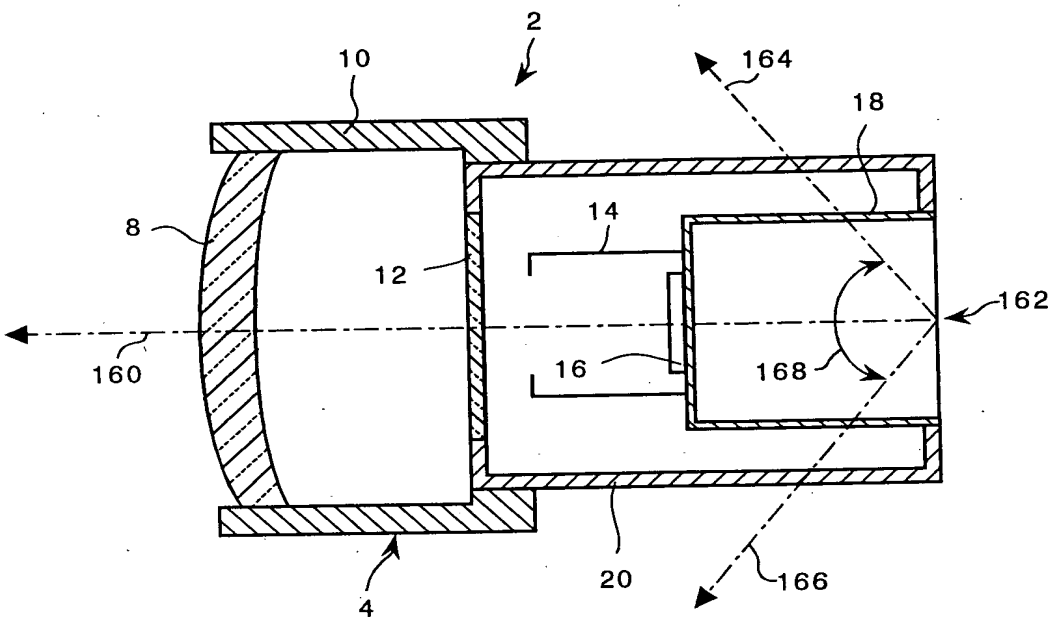
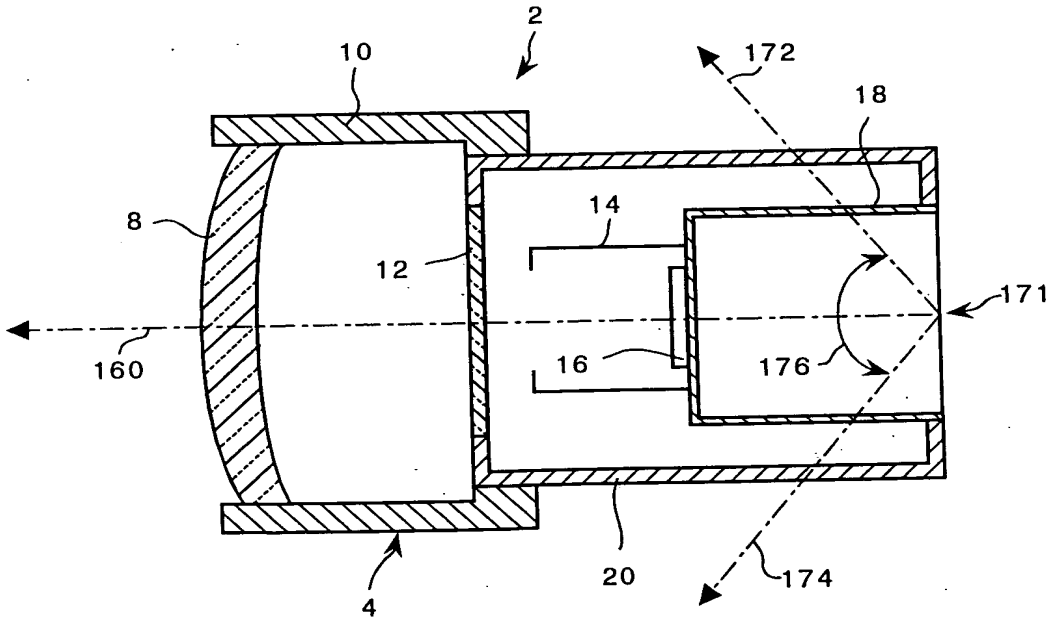


FIG. 24B



T05280-21224660

FIG. 25

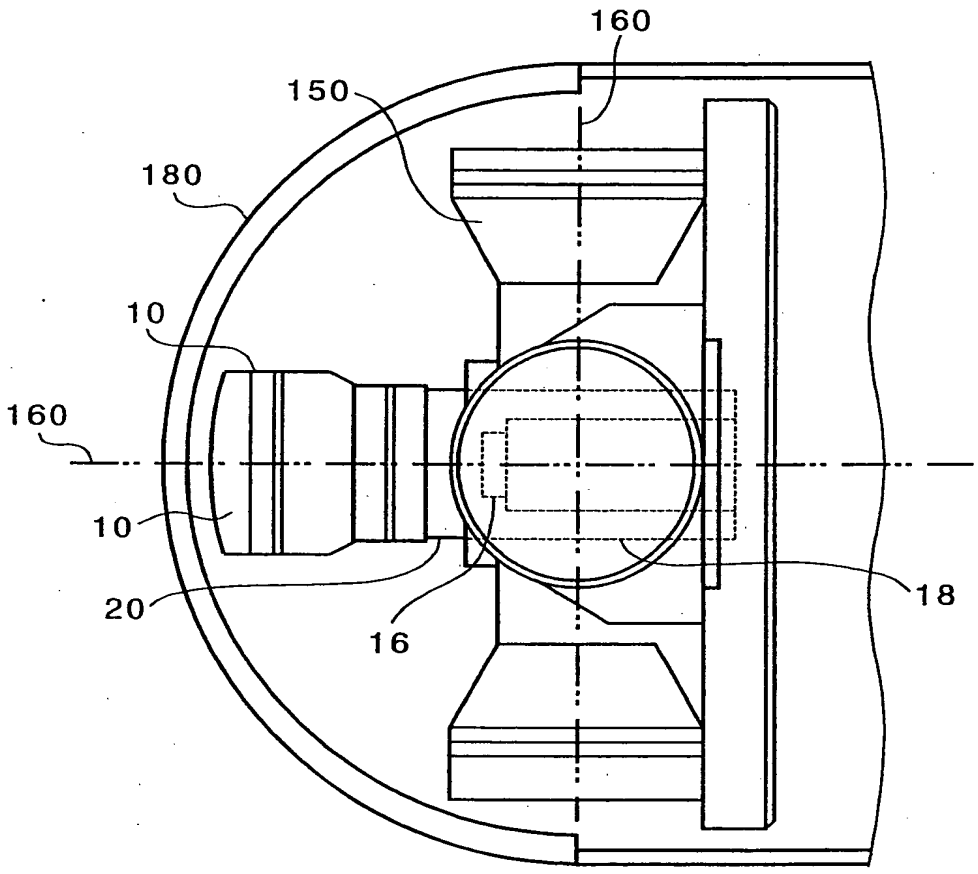
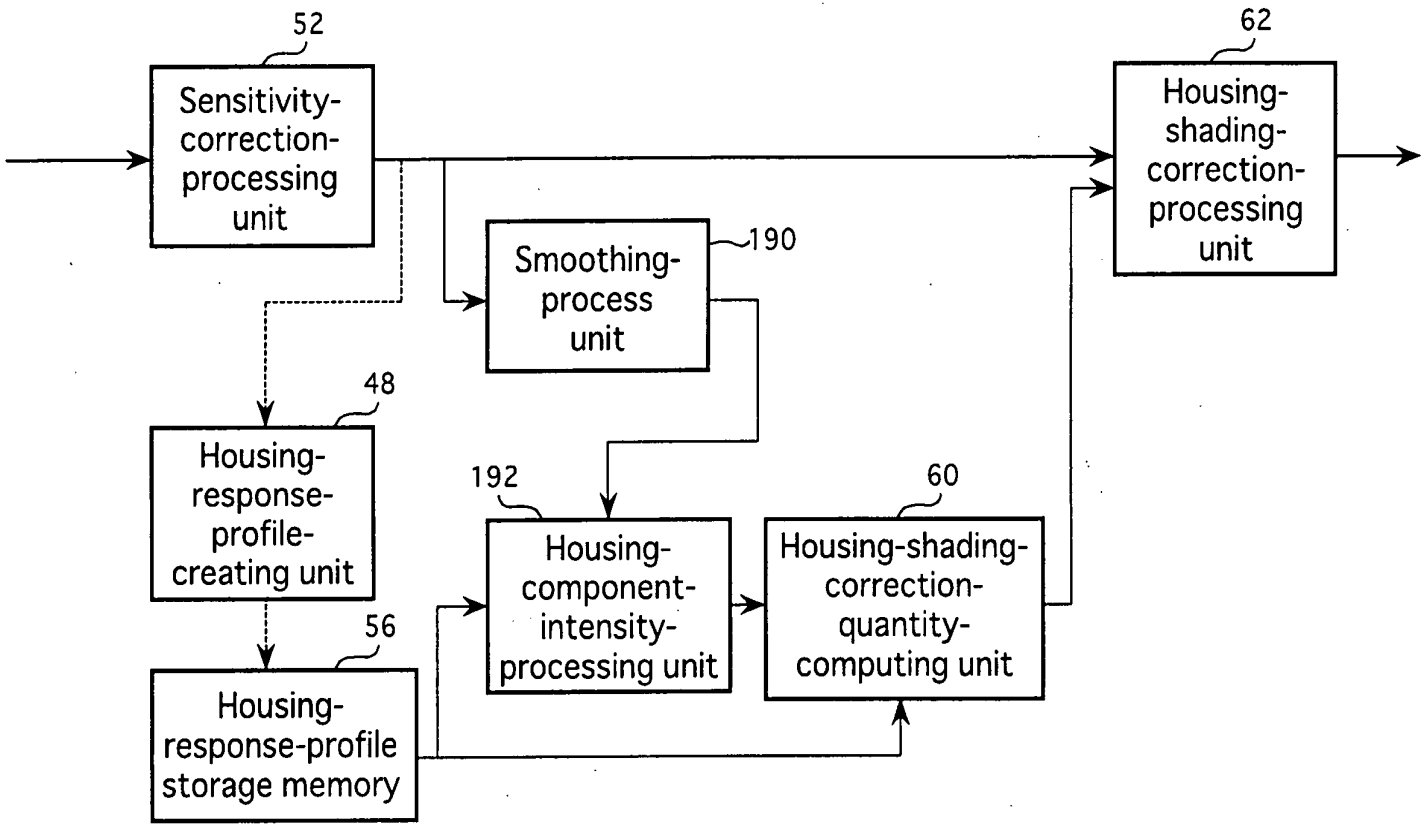


FIG. 26


52
Sensitivity-correction-processing unit
62
Housing-shading-correction-processing unit
Smoothing-process unit
190
48
Housing-response-profile-creating unit
192
Housing-component-intensity-processing unit
60
Housing-shading-correction-quantity-computing unit
56
Housing-response-profile storage memory

EP 0 982 701 A2

FIG. 27

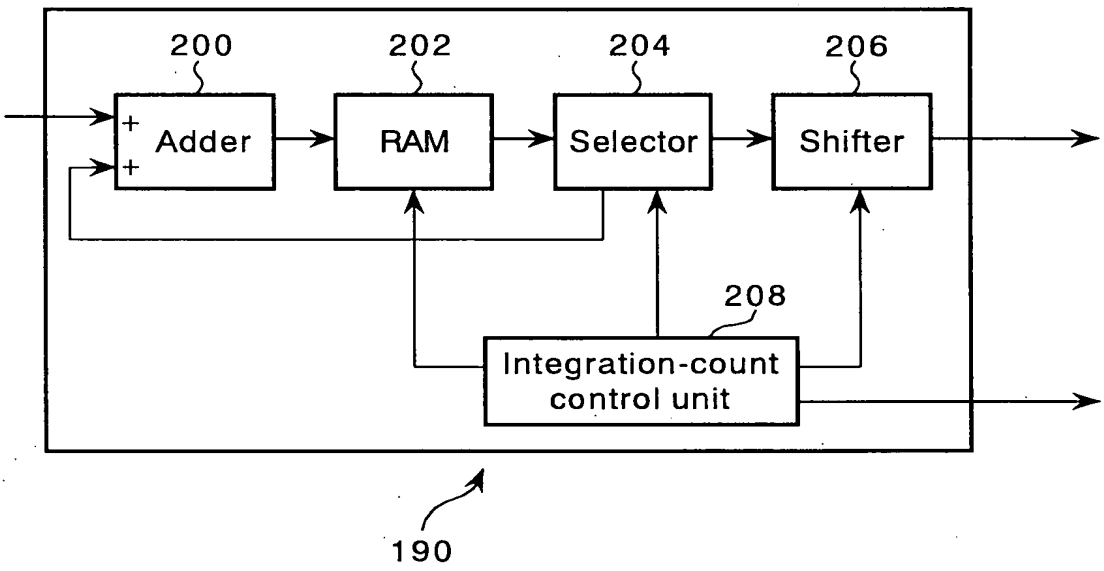


FIG. 28

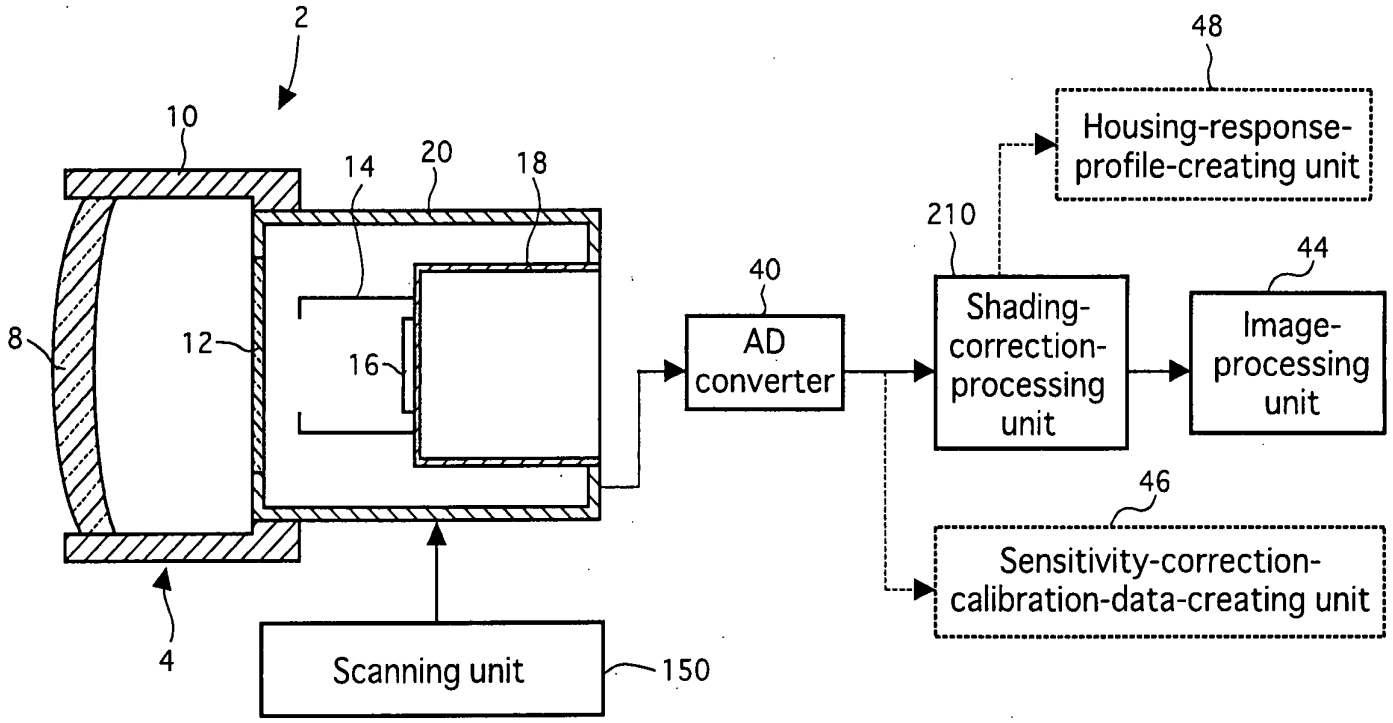
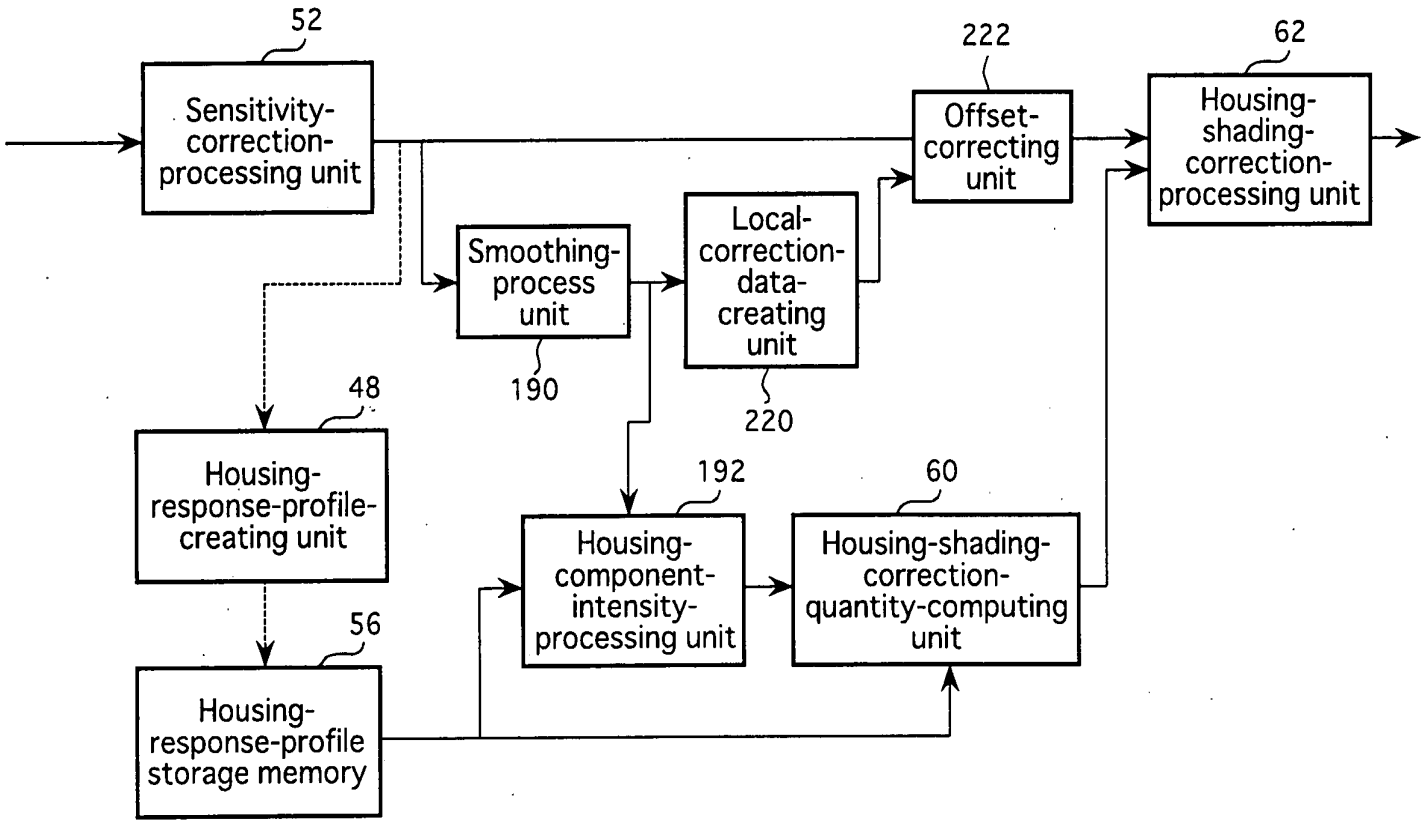

2
10
14
20
18
8
12
16
4
40
AD converter
Scanning unit
150
48
Housing-response-profile-creating unit
210
Shading-correction-processing unit
44
Image-processing unit
46
Sensitivity-correction-calibration-data-creating unit

FIG. 29


52
Sensitivity-correction-processing unit
222
Offset-correcting unit
62
Housing-shading-correction-processing unit
Smoothing-process unit
190
Local-correction-data-creating unit
220
48
Housing-response-profile-creating unit
192
Housing-component-intensity-processing unit
60
Housing-shading-correction-quantity-computing unit
56
Housing-response-profile storage memory

EP 2 280 376 A2 02 FEB 2011

FIG. 30

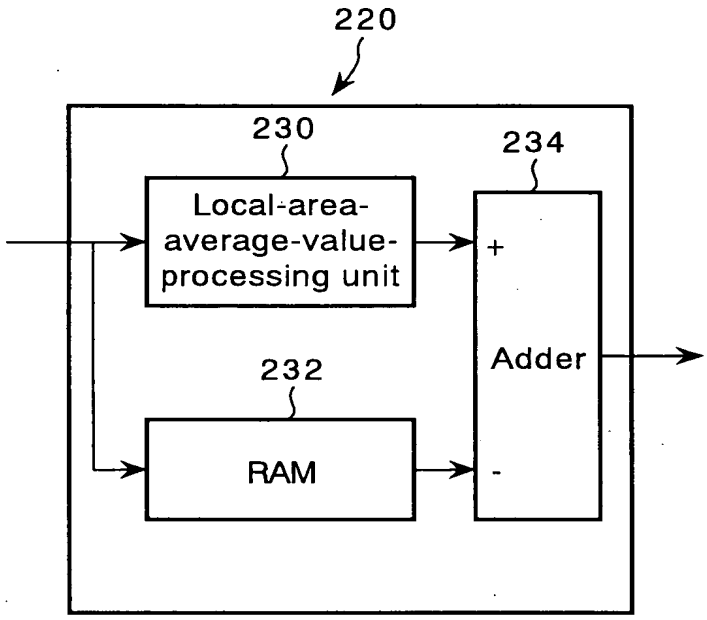
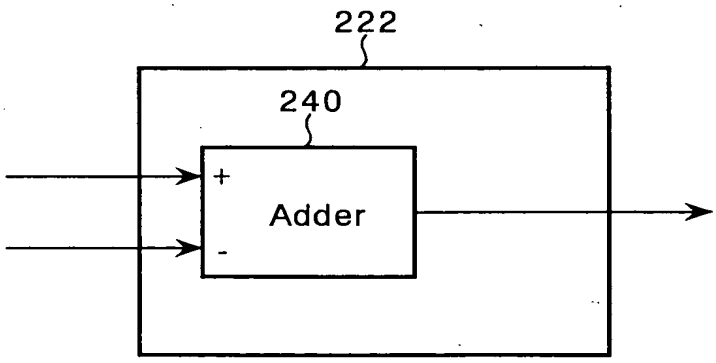


FIG. 31



EP 0 968 212 B1 2004.02.25

FIG. 32

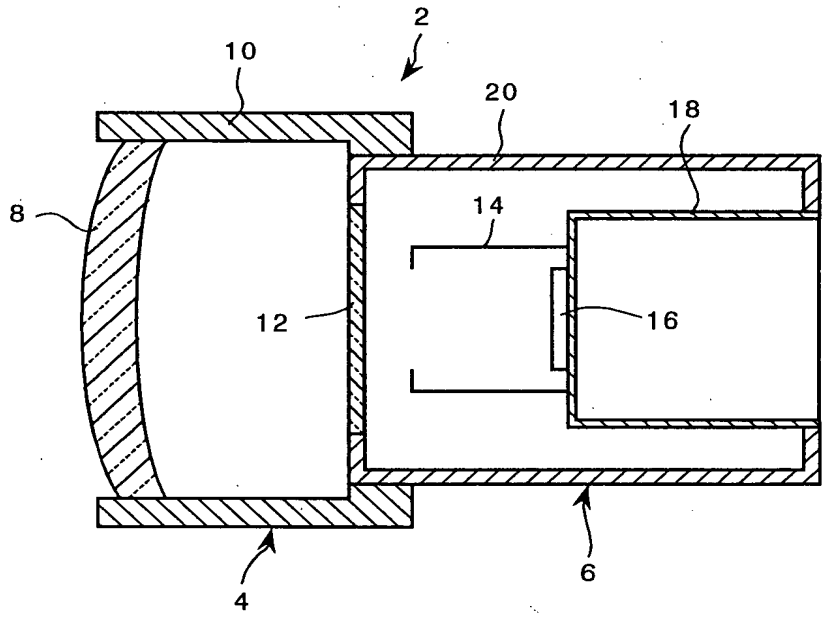
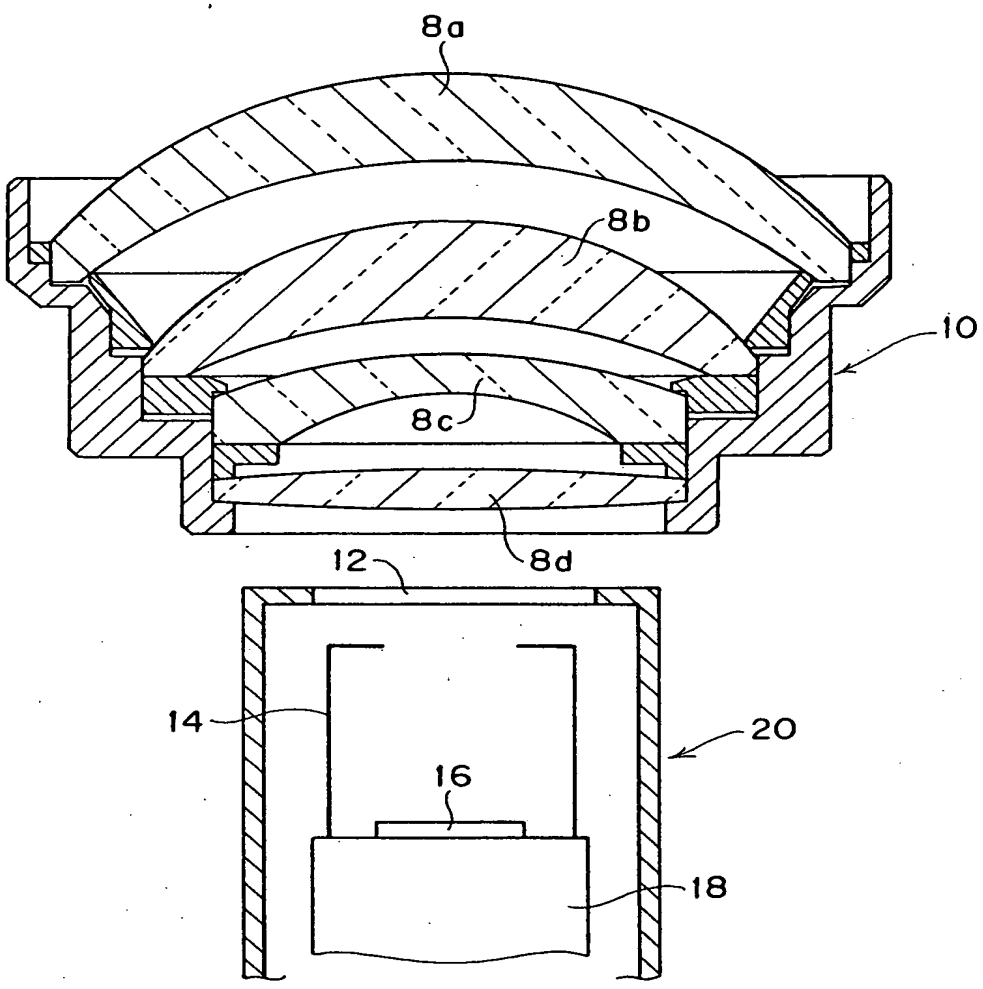
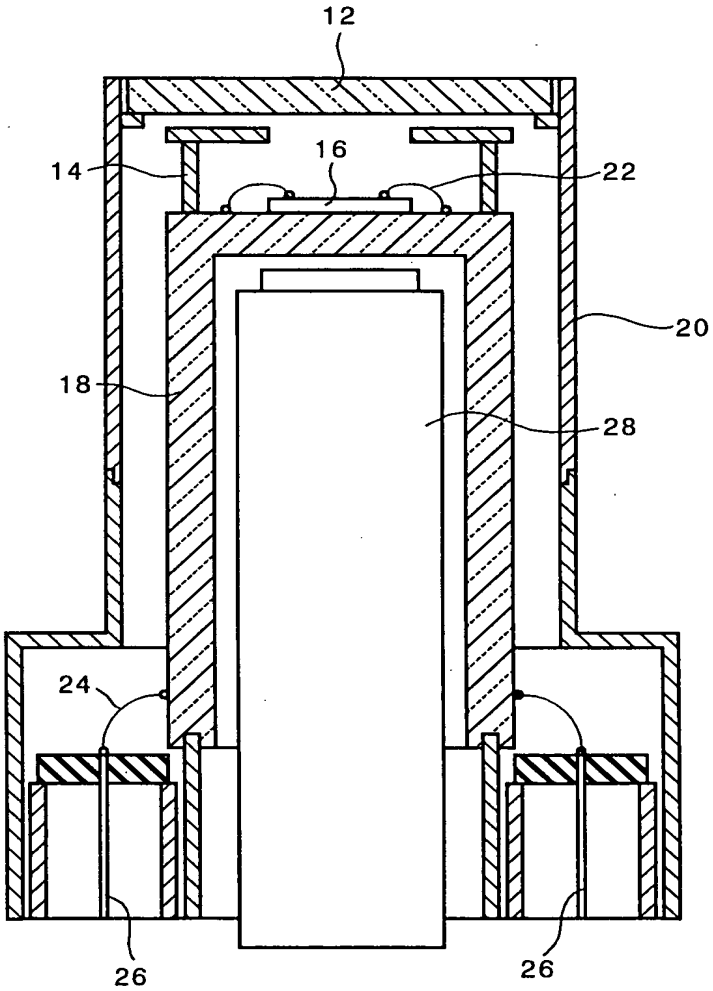


FIG. 33



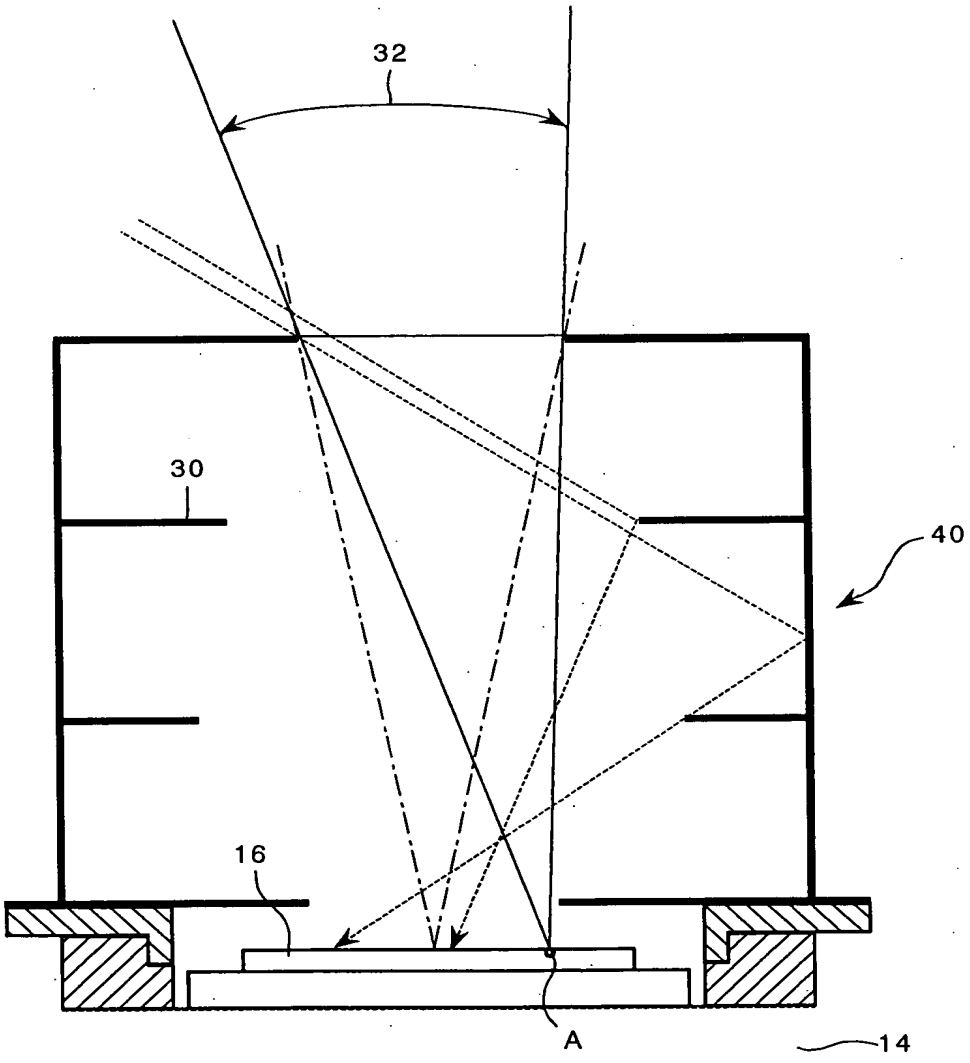
JP 2004-221209 A 2004.08.05

FIG. 34



EP 0 538 801 A2

FIG. 35



EP05280-2T2250

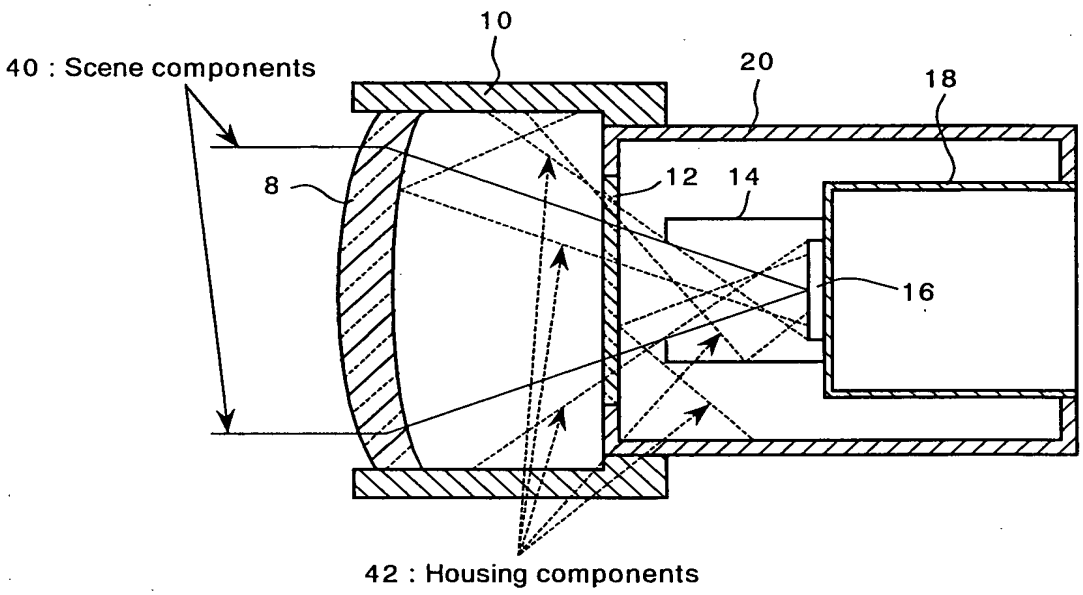



FIG. 36